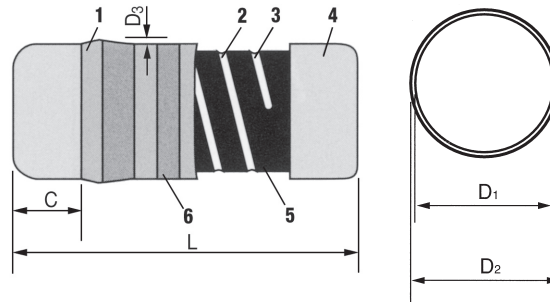


MELF TYPE METAL FILM • JUMPER RN41 • CC



STRUCTURE RN41

- 1 Protective coating
- 2 Trimming cut
- 3 Ceramic core
- 4 Cap (iron solder plated)
- 5 Metal film
- 6 Marking

STRUCTURE CC

- 1 Protective coating
- 2 No trimming cut
- 3 Ceramic rod
- 4 Cap (iron solder plated)
- 5 Copper film
- 6 Marking (see identification)

- a TCR25 (pink or blue), TCR15 (violet); TCR10 and TCR5 (dark green)
b other TCR's: 4 bands (E24); 5 bands (E96) color code
c other TCR's and tolerances have green coating with 4 bands (E24) or 5 bands (E96) color code

All these products have Pb-free terminations and meet EU-RoHS and China-RoHS requirements

IDENTIFICATION

TYPE	COATING COLOR	MARKING
RN41 2DS	Clear	4 bands (E24); 5 bands (E96) color code
RN41 2A	Blue	3 bands color code
RN41 2ES	Blue (TCR 50) ^a	5 bands color code (TCR50) ^b
RN41 2E	Blue	3 bands (E24); 4 bands (E96) color code
RN41 2H	Blue	3 bands (E24) color code
RN41 3AS	Blue (TCR 50, 1%) ^c	5 bands color code (TCR50, 1%) ^c
CC-Series	Blue-Green	One black band

TYPE DESIGNATION (HOW TO ORDER)

RN41-SERIES							CC-SERIES		
RN41	2ES	T	TE	1002	F	50	CC25M	T	TE
PRODUCT CODE	STYLE	TERMINATION SURFACE MATERIAL	TAPING	NOMINAL RESISTANCE	RESISTANCE TOLERANCE	T.C.R.	PROD. CODE	TERMINATION SURFACE MATERIAL	TAPING
Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS		T: Sn (lead free)	TE: 7" reel (4 mm pitch) 3000 pcs. (size 0102, 0204) 1500 pcs. (size 0207) TEB: 13" reel (4mm pitch) 9000 pcs. (size 0204 only)	B, C, D, F: 4 digits G, J: 3 digits	B, C, D, F, G, J	Unit: ppm/K 05, 10, 25, 50, 100, 200		T: Sn (lead free)	TE: 7" reel (4 mm pitch) 3000 pcs. (CC10, CC12) 1500 pcs. (CC25) TEB: 13" reel (4mm pitch) 6000 pcs. (CC25 only)

FEATURES

- High grade oxide ceramic core
- Higher electrode strength and lower current noise ratio than flat chip resistors
- Operating temperature range: - 55° C ... + 125° C (+155° C)
- High stability in short and long term tests
- Rated ambient temperature: + 70° C
- Standard size: 0102 (MICRO – MELF)
0204 (MINI – MELF)
0207 (MELF)
- Meets or exceeds IEC 60115-8, JIS C 5201-8, EIAJ RC-2134A
- Suitable for reflow, wave and iron soldering
- Lab Kit available

DIMENSIONS (mm)

SIZE	TYPE	L	C	Ø D ₁	Ø D ₂	Ø D ₃
0102	RN41 2DS • CC10M	2.2 ± 0/-0.1	0.35 ~ 0.45	1.1 ± 0/-0.1	1.10 Max.	0.00 Max.
—	RN41 2A • CC10	2.0 ± 0.1	0.3 Min.	1.25 ± 0.05	1.35 Max.	0.07 Max.
0204	RN41 2ES • CC12M	3.5 ± 0.2	0.5 ~ 0.9	1.4 ± 0.15	1.55 Max.	0.10 Max.
0207	RN41 3AS • CC25M	5.8 ± 0.3	0.5 ~ 1.45	2.15 ± 0.15	2.40 Max.	0.15 Max.
	RN41 2E/2H • CC25	5.9 ± 0.2	0.5 Min.	2.2 ± 0.1		

RATING

SIZE	TYPE	T.C.R. (ppm/K)	POWER RATING*	MAX. WORKING VOLTAGE	RESISTANCE RANGE AND TOLERANCE					
					B (±0.1%) E24 • E96	C (± 0.25%) E24 • E96	D (± 0.5%) E24 • E96	F (± 1%) E24 • E96	G (± 2%) E24	J (± 5%) E24
0102	RN41 2DS	± 15 ± 25	0.2 W	150 V	100Ω...100kΩ	100Ω...100kΩ 100Ω...221kΩ	100Ω...100kΩ 47Ω...221kΩ	— 10Ω...221kΩ	—	—
—	RN41 2A	± 50 ± 100	0.125 W	100 V	—	—	—	10Ω...221MΩ 100Ω...100kΩ	1Ω...9.1Ω	0.22Ω ... 0.91Ω
0204	RN41 2ES	± 5 ± 10	0.125 W	100 V	100Ω...100kΩ 100Ω...221kΩ	100Ω...100kΩ 100Ω...221kΩ	—	—	—	—
		± 15 ± 25	200 V	43Ω...221kΩ 43Ω...511kΩ	22Ω...221kΩ 22Ω...511kΩ	10Ω...221kΩ 100Ω...604kΩ	—	—	—	
		± 50	0.25 W	—	—	1Ω...511MΩ	—	0.22Ω ... 0.91Ω		
		± 25 ± 50	—	100Ω...100kΩ 100Ω...1MΩ	—	—	—	—		
0207	RN41 2E	± 25 ± 50	0.5 W	250 V	—	—	10Ω...1MΩ	—	—	—
	RN41 2H	± 200	0.5 W		—	—	10Ω...1MΩ	—	0.22Ω ... 100kΩ	
	RN41 3AS	± 5 ± 10	0.4 W		100Ω...100kΩ	100Ω...100kΩ	—	—	—	
		± 15 ± 25			100Ω...511kΩ	100Ω...511kΩ	100Ω...511kΩ			
		± 25 ± 50			—	—	1Ω...2.21MΩ	1Ω...1MΩ		0.1Ω...0.91Ω
		—			—	—	—	—		—
0102 / - 0204	CC10M • CC10 CC12M	≤ 20 mΩ JUMPER	400 V	(max. current 2A for CC10 and CC12)						
0207	CC25M • CC25			(max. current 5A for CC25)						

* For resistors operated at an ambient temperature of +70°C or above, the power rating shall be derated.

PREFERRED